

S/N: 10/612,443  
Page 2 of 7

### CLAIM AMENDMENTS

Please amend the claims as follows:

1. (currently amended) An electrophotographic toner composition comprising at least one amphipathic copolymer, the amphipathic copolymer comprising one or more S portions and one or more D portions wherein the S material portions and the D material portions have respective solubilities in a liquid carrier having a Kauri-butanol number less than 30 ml in which the amphipathic copolymer is prepared that are sufficiently different from each other such that the S material portions tend to be more solvated by the carrier while the D material portions tend to be more dispersed in the liquid carrier, the amphipathic copolymer having a chromophore covalently bonded thereto via a urethane, urea or amide linkage.
2. (currently amended) The electrophotographic toner composition amphipathic copolymer of claim 1, wherein the chromophore is covalently bonded to the amphipathic copolymer via a urethane linkage.
3. (currently amended) The electrophotographic toner composition amphipathic copolymer of claim 1, wherein the chromophore is covalently bonded to the amphipathic copolymer via a urea linkage.
4. (currently amended) The electrophotographic toner composition amphipathic copolymer of claim 1, wherein the chromophore is covalently bonded to the amphipathic copolymer via an amide linkage.
5. (currently amended) The electrophotographic toner composition amphipathic copolymer of claim 1, wherein the chromophore is covalently bonded to the S portion of the amphipathic copolymer.

S/N: 10/612,443  
Page 3 of 7

6. (currently amended) The electrophotographic toner composition ~~amphipathic copolymer~~ of claim 1, wherein the chromophore is covalently bonded to the D portion of the amphipathic copolymer.

7. (currently amended) The electrophotographic toner composition ~~amphipathic copolymer~~ of claim 1, wherein a single color of chromophore is covalently bonded to the amphipathic copolymer to provide a predetermined color.

8. (currently amended) The electrophotographic toner composition ~~amphipathic copolymer~~ of claim 1, wherein a plurality of chromophores having different colors are covalently bonded to the amphipathic copolymer to provide a predetermined blended color.

9. (cancelled)

10. (currently amended) The electrophotographic toner composition of ~~claim 9~~ claim 1, said composition being substantially free of pigment.

11. (currently amended) An electrophotographic toner composition of claim 1, comprising a plurality of amphipathic copolymers having chromophores of different colors covalently bonded to separate amphipathic copolymers, which copolymers are blended in predetermined ratios to exhibit to provide a predetermined color of claim 7 in a predetermined ratio to provide a toner composition having a predetermined blended toner composition color.

12. (currently amended) An electrophotographic toner composition ~~comprising a plurality of amphipathic copolymers of claim 1, the composition comprising amphipathic copolymers having a plurality of covalently bonded chromophores having different colors covalently bonded thereto in a predetermined ratio to provide a toner composition having a predetermined blended color.~~

S/N: 10/612,443

Page 4 of 7

13. (currently amended) A liquid electrophotographic toner composition of claim 1, comprising:

- a) a liquid carrier having a Kauri-butanol number less than 30 mL; and
- b) a plurality of toner particles dispersed in the liquid carrier, wherein the toner particles comprise polymeric binder comprising at least one amphipathic copolymer of claim 1 comprising one or more S portions and one or more D portions wherein the S material portions and the D material portions have respective solubilities in a liquid carrier having a Kauri-butanol number less than 30 ml in which the amphipathic copolymer is prepared that are sufficiently different from each other such that the S material portions tend to be more solvated by the carrier while the D material portions tend to be more dispersed in the liquid carrier, the amphipathic copolymer having a chromophore covalently bonded thereto via a urethane, urea or amide linkage.

14. (currently amended) A method of making an electrophotographic toner composition comprising the steps of:

\_\_\_\_\_ A) preparing an amphipathic copolymer comprising at least one covalently bonded chromophore, comprising the steps of:

- a) providing a plurality of free radically polymerizable monomers, wherein at least one of the monomers comprises a first reactive functionality;
- b) free radically polymerizing the monomers in a solvent to form a first reactive functional polymer, wherein the monomers and the first reactive functional polymer are soluble in the solvent;
- c) reacting a compound having a second reactive functionality that is reactive with the first reactive functionality and also having free radically polymerizable functionality with the first reactive functional polymer under conditions such that at least a portion of the second reactive functionality of the compound reacts with at least a portion of the first reactive functionality of the polymer to form one or more linkages by which the compound is linked to the polymer, thereby providing an S material portion polymer with pendant free radically polymerizable functionality;

S/N: 10/612,443  
Page 5 of 7

d) copolymerizing ingredients comprising (i) the S material portion polymer with pendant free radically polymerizable functionality, (ii) one or more free radically polymerizable monomers, (iii) a chromophore comprising a third reactive functionality, and (iv) liquid carrier having a Kauri-butanol number less than 30 ml in which polymeric material derived from ingredients comprising the one or more additional monomers of ingredient (ii) is insoluble;

wherein at least one of the ingredients (i) and (ii) comprises available fourth reactive functionality;

wherein one of the third and fourth reactive functionalities is an isocyanate functionality, and the other of the third and fourth reactive functionalities is selected from the group consisting of hydroxyl, amino, carboxyl or mixtures thereof; and wherein the copolymerizing occurs under conditions effective to form an amphipathic copolymer having S and D portions and a chromophore covalently bonded thereto via a urethane, urea or amide linkage; wherein the S material portions and the D material portions have respective solubilities in a liquid carrier having a Kauri-butanol number less than 30 ml in which the amphipathic copolymer is prepared that are sufficiently different from each other such that the S material portions tend to be more solvated by the carrier while the D material portions tend to be more dispersed in the liquid carrier; and

B) formulating a toner composition comprising the amphipathic copolymer prepared in Step A) above.

15. (original) The method of claim 14, wherein the chromophore is covalently bonded to the amphipathic copolymer via a urethane linkage.

16. (original) The method of claim 14, wherein the chromophore is covalently bonded to the amphipathic copolymer via a urea linkage.

17. (original) The method of claim 14, wherein the chromophore is covalently bonded to the amphipathic copolymer via an amide linkage.

S/N: 10/612,443

Page 6 of 7

18. (original) The method of claim 14, wherein the third reactive functionality is isocyanate, and the fourth reactive functionality is selected from hydroxyl, amino, and carboxyl functionalities, and mixtures thereof.
19. (original) The method of claim 14, wherein the third reactive functionality is isocyanate, and the fourth reactive functionality is hydroxyl.
20. (original) The method of claim 14, wherein the third reactive functionality is selected from hydroxyl, amino, and carboxyl functionalities, and mixtures thereof, and the fourth reactive functionality is isocyanate.
21. (original) The method of claim 14, wherein the first reactive functionality is selected from hydroxyl, amino, and carboxyl functionalities, and mixtures thereof, and the second reactive functionality is selected from isocyanate and epoxy functionalities.
22. (original) The method of claim 14, wherein the first reactive functionality is a hydroxyl functionality, and the second reactive functionality is an isocyanate functionality.
23. (original) The method of claim 14, wherein the first reactive functionality is selected from isocyanate and epoxy functionalities, and the second reactive functionality is selected from hydroxyl, amino, and carboxyl functionalities, and mixtures thereof.
24. (original) The method of claim 14, wherein the chromophore is covalently bonded to the S portion of the amphipathic copolymer.
25. (original) The method of claim 14, wherein the chromophore is covalently bonded to the D portion of the amphipathic copolymer.